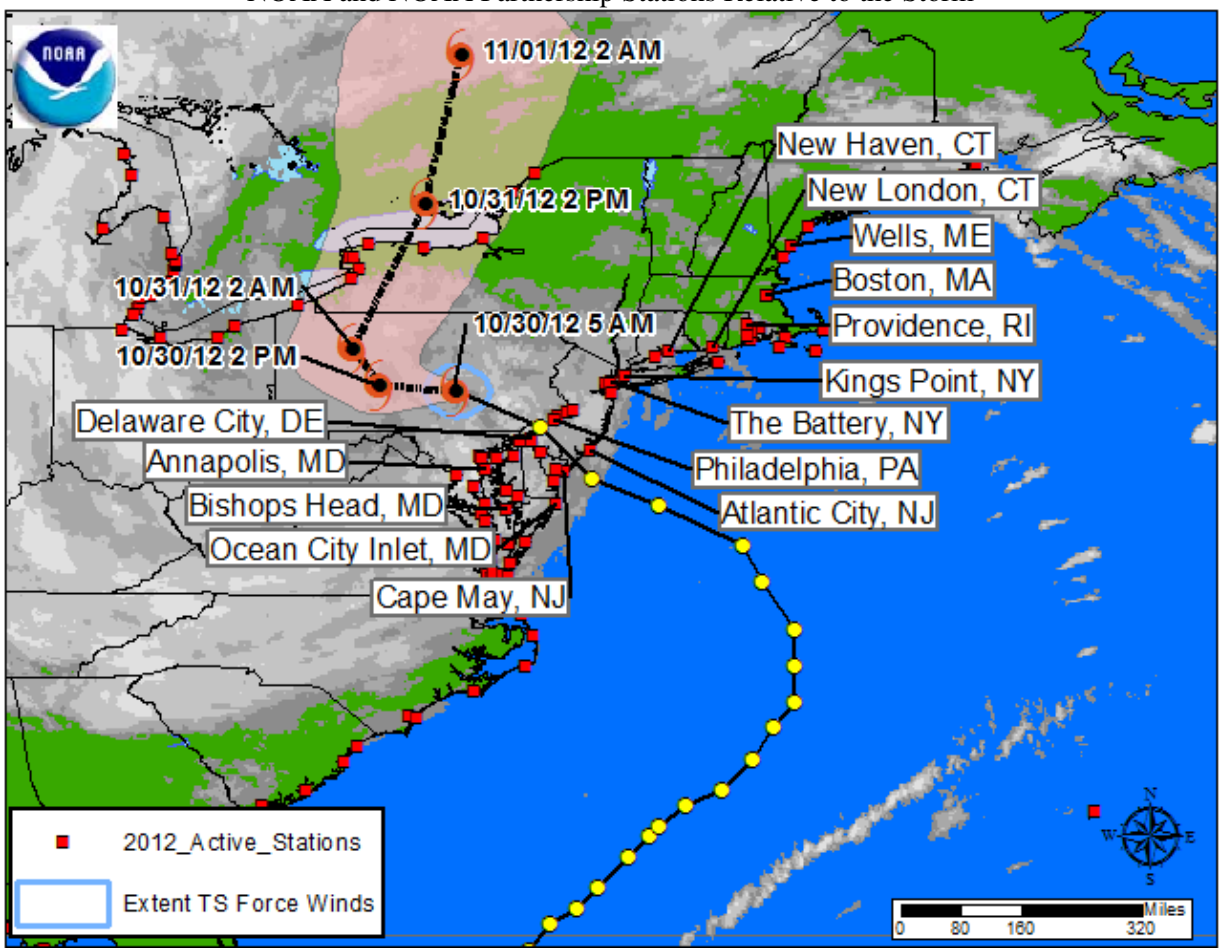
Post-tropical Storm SANDY QuickLook
Posted: 06:00 EDT 10/30/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

...POST-TROPICAL CYCLONE SANDY MADE LANDFALL NEAR ATLANTIC CITY NEW JERSEY AROUND 800 PM EDT ON 10/29/2012 WITH MAXIMUM SUSTAINED WINDS OF 80 MPH...

As of 10/30/2012 06:00 EDT, water levels along the Atlantic coast from Maryland to Maine are returning to predicted tide levels, however many locations remain elevated by 1 to 3 feet above tidal predictions. Water levels in the upper Chesapeake Bay and upper Delaware Bay and Delaware River have been rising over the past several hours, likely due to runoff. Water levels at Philadelphia, PA and Delaware City, DE are presently over 5 feet above tidal predictions.

Winds are decreasing across the region. Barometric pressure has bottomed out and is now rising.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Annapolis, MD: Next predicted high tides are 1.5 ft (0.46 m) at 10/30/2012 18:44 EDT and 1.1 ft (0.33 m) at 10/31/2012 06:23 EDT.

Bishops Head, MD: Next predicted high tides are 2.2 ft (0.66 m) at 10/30/2012 14:33 EDT and 1.9 ft (0.58 m) at 10/31/2012 02:57 EDT.

Philadelphia, PA: Next predicted high tides are 7.0 ft (2.13 m) at 10/30/2012 14:40 EDT and 6.3 ft (1.94 m) at 10/31/2012 03:04 EDT.

Delaware City, DE: Next predicted high tides are 6.2 ft (1.88 m) at 10/30/2012 12:24 EDT and 5.5 ft (1.71 m) at 10/31/2012 00:46 EDT.

Ocean City Inlet, MD: Next predicted high tides are 2.6 ft (0.78 m) at 10/30/2012 08:56 EDT and 2.1 ft (0.64 m) at 10/30/2012 21:01 EDT.

Cape May, NJ: Next predicted high tides are 5.7 ft (1.73 m) at 10/30/2012 09:25 EDT and 4.8 ft (1.47 m) at 10/30/2012 21:46 EDT.

Atlantic City, NJ: Next predicted high tides are 4.8 ft (1.48 m) at 10/30/2012 08:17 EDT and 4.0 ft (1.23 m) at 10/30/2012 20:38 EDT.

The Battery, NY: Next predicted high tides are 5.3 ft (1.63 m) at 10/30/2012 09:07 EDT and 4.6 ft (1.42 m) at 10/30/2012 21:33 EDT.

Kings Point, NY: Next predicted high tides are 8.1 ft (2.47 m) at 10/30/2012 12:31 EDT and 7.4 ft (2.28 m) at 10/31/2012 01:02 EDT.

New Haven, CT: Next predicted high tides are 6.9 ft (2.12 m) at 10/30/2012 12:05 EDT and 6.1 ft (1.89 m) at 10/31/2012 00:33 EDT.

New London, CT: Next predicted high tides are 3.2 ft (0.97 m) at 10/30/2012 10:09 EDT and 2.5 ft (0.78 m) at 10/30/2012 22:34 EDT.

Providence, RI: Next predicted high tides are 5.1 ft (1.54 m) at 10/30/2012 08:57 EDT and 4.5 ft (1.38 m) at 10/30/2012 21:20 EDT.

Boston, MA: Next predicted high tides are 10.4 ft (3.16 m) at 10/30/2012 12:09 EDT and 9.4 ft (2.91 m) at 10/31/2012 00:41 EDT.

Wells, ME: Next predicted high tides are 9.7 ft (2.95 m) at 10/30/2012 12:10 EDT and 8.8 ft (2.70 m) at 10/31/2012 00:40 EDT.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see Tidal Datums. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst:PFF

SELECT HYDROLOGICAL PREDICTION CENTER ADVISORY INFORMATION:

TROPICAL DEPRESSION SANDY ADVISORY NUMBER 32
NWS HYDROMETEOROLOGICAL PREDICTION CENTER COLLEGE PARK MD
500 AM EDT TUE OCT 30 2012

...POST TROPICAL CYCLONE SANDY MOVING WESTWARD ACROSS SOUTHERN PENNSYLVANIA...

WATCHES AND WARNINGS

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

THERE ARE HIGH-WIND WARNINGS IN EFFECT...INCLUDING GALE FORCE WINDS OVER THE COASTAL WATERS OF THE MID-ATLANTIC STATES...NEW YORK AND NEW ENGLAND. STORM WARNINGS ARE IN EFFECT FOR PORTIONS OF THE MID ATLANTIC COASTAL WATERS.

FLOOD AND FLASH FLOOD WATCHES AND WARNINGS ARE IN EFFECT OVER PORTIONS OF THE MID-ATLANTIC AND NORTHEAST STATES.

FOR INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE AT WWW.WEATHER.GOV.

DISCUSSION AND 48-HOUR OUTLOOK

THE CENTER OF POST-TROPICAL CYCLONE SANDY WAS LOCATED ABOUT 15 MILES E OF YORK PENNSYLVANIA AND ABOUT 90 MILES W OF PHILADELPHIA PENNSYLVANIA. THE POST- TROPICAL CYCLONE WAS MOVING TOWARD THE WEST-NORTHWEST AT 15 MPH. A WEST-NORTHWEST MOTION WITH REDUCED FORWARD SPEED IS EXPECTED TODAY INTO WESTERN PENNSYLVANIA...WITH A TURN NORTH INTO WESTERN NEW YORK TONIGHT. THE CYCLONE WILL MOVE INTO CANADA WEDNESDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 65 MPH WITH HIGHER GUSTS. STEADY WEAKENING IS FORECAST DURING THE NEXT 48 HOURS.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 960 MB...28.35 INCHES.

HAZARDS

WIND...GALE-FORCE WINDS WILL CONTINUE EARLY TODAY OVER PORTIONS OF THE MID-ATLANTIC STATES FROM VIRGINIA NORTHWARD THROUGH NEW ENGLAND.

STORM SURGE...EVEN THOUGH WATER LEVELS ALONG THE COAST HAVE BEEN SUBSIDING...THE COMBINATION OF STORM SURGE AND THE TIDE COULD STILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING

WATERS...ESPECIALLY DURING THE NEXT HIGH TIDE CYCLE. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND AT THE TIME OF HIGH TIDE...

PAMLICO AND ALBEMARLE SOUNDS...2 TO 4 FT
DELMARVA PENINSULA AND DELAWARE BAY...2 TO 4 FT
UPPER AND MIDDLE CHESAPEAKE BAY...2 TO 4 FT
JERSEY SHORE NORTHWARD TO MASSACHUSETTS...1 TO 3 FT

SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. THE SURGE COULD BE ACCOMPANIED BY LARGE AND DANGEROUS WAVES ALONG PORTIONS OF THE COAST EXPOSED TO THE ATLANTIC OCEAN. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE.

RAINFALL...RAINFALL TOTALS OF 3 TO 6 INCHES ARE EXPECTED OVER FAR NORTHEASTERN NORTH CAROLINA WITH ISOLATED MAXIMUM TOTALS OF 8 INCHES POSSIBLE. RAINFALL AMOUNTS OF 4 TO 8 INCHES ARE EXPECTED OVER PORTIONS OF THE MID ATLANTIC STATES...INCLUDING THE DELMARVA PENINSULA...WITH ISOLATED MAXIMUM AMOUNTS OF 12 INCHES POSSIBLE. RAINFALL AMOUNTS OF 1 TO 3 INCHES WITH ISOLATED MAXIMUM AMOUNTS OF 5 INCHES ARE POSSIBLE FROM THE SOUTHERN TIER OF NEW YORK STATE NORTHEASTWARD THROUGH NEW ENGLAND.

SNOWFALL...SNOWFALL TOTALS OF 2 TO 3 FEET ARE EXPECTED IN THE MOUNTAINS OF WEST VIRGINIA WITH LOCALLY HIGHER TOTALS TODAY THROUGH WEDNESDAY. SNOWFALL TOTALS OF 1 TO 2 FEET ARE EXPECTED IN THE MOUNTAINS OF SOUTHWESTERN VIRGINIA TO THE KENTUCKY BORDER...WITH 12 TO 18 INCHES OF SNOW EXPECTED IN THE MOUNTAINS ALONG THE NORTH CAROLINA/TENNESSEE BORDER AND IN THE MOUNTAINS OF FAR WESTERN MARYLAND.

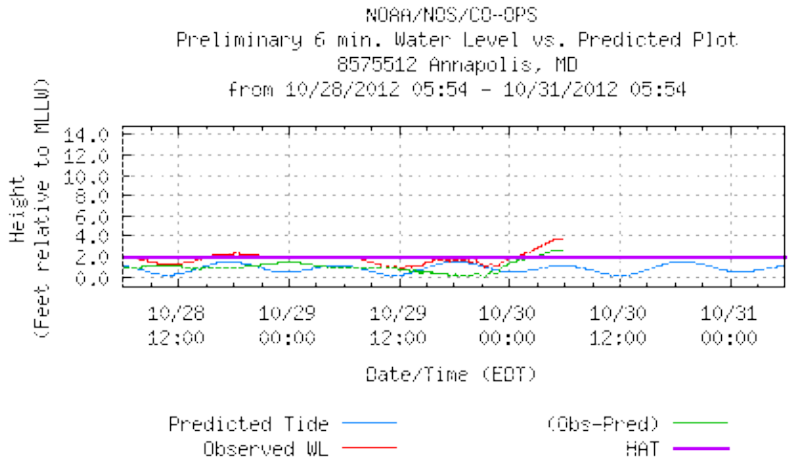
SURF...DANGEROUS SURF CONDITIONS WILL CONTINUE FROM FLORIDA THROUGH NEW ENGLAND FOR THE NEXT COUPLE OF DAYS.

PETERSEN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

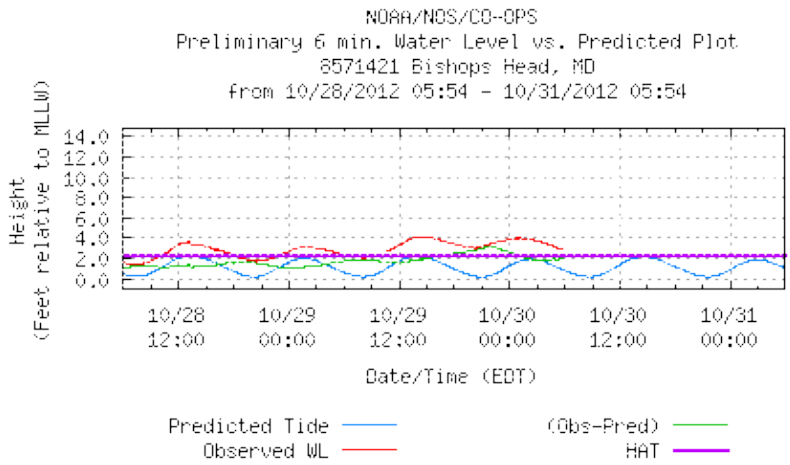
Jump to: Annapolis - Water Level, Bishops Head - Water Level, Bishops Head - Winds, Philadelphia - Water Level, Delaware City - Water Level, Delaware City - Barometric, Ocean City Inlet - Water Level, Ocean City Inlet - Winds, Cape May - Water Level, Cape May - Winds, Atlantic City - Water Level, The Battery - Water Level, Kings Point - Water Level, Kings Point - Winds, New Haven - Water Level, New Haven - Winds, New London - Water Level, New London - Winds, Providence - Water Level, Boston - Water Level, Wells - Water Level, Wells - Winds,

Annapolis, MD - Return to List



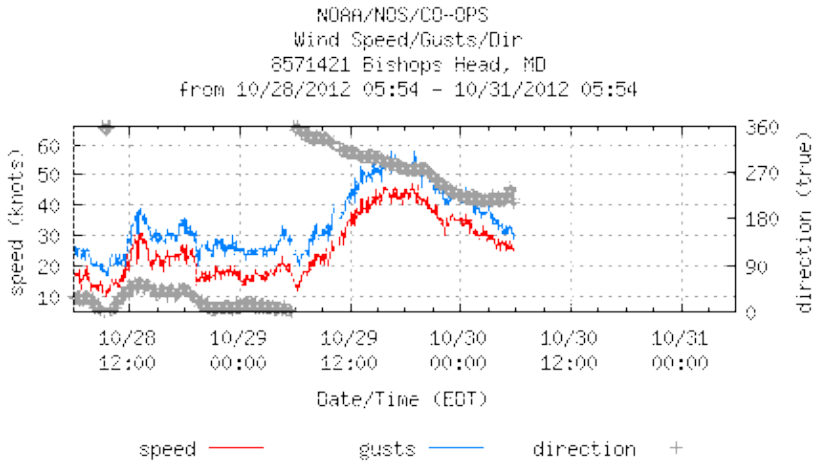
Last Observed Sample: 10/30/2012 05:42 (EDT)
Relative to MLLW: Observed: 3.78 ft. Predicted: 1.11 ft. Residual: 2.67 ft.
Historical Maximum Water Level: Sep 19 2003, 5.73 ft. above MHHW

Bishops Head, MD - Return to List



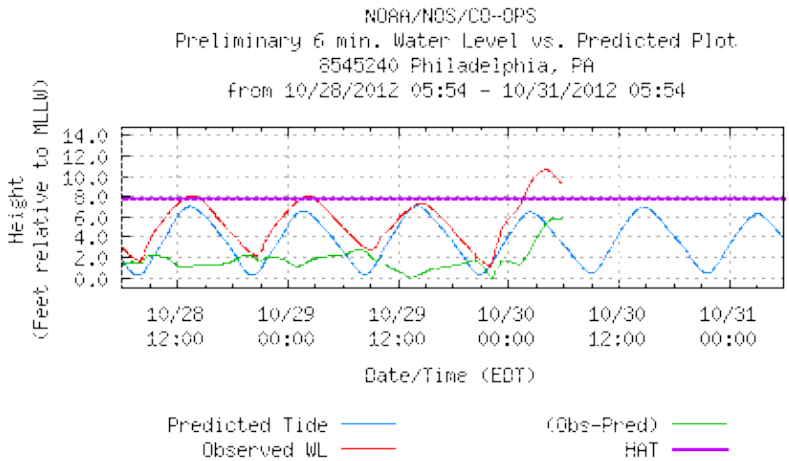
Last Observed Sample: 10/30/2012 05:48 (EDT)
Relative to MLLW: Observed: 2.92 ft. Predicted: 0.89 ft. Residual: 2.03 ft.
Historical Maximum Water Level: Apr 17 2011, 2.28 ft. above MHHW

Bishops Head, MD - Return to List



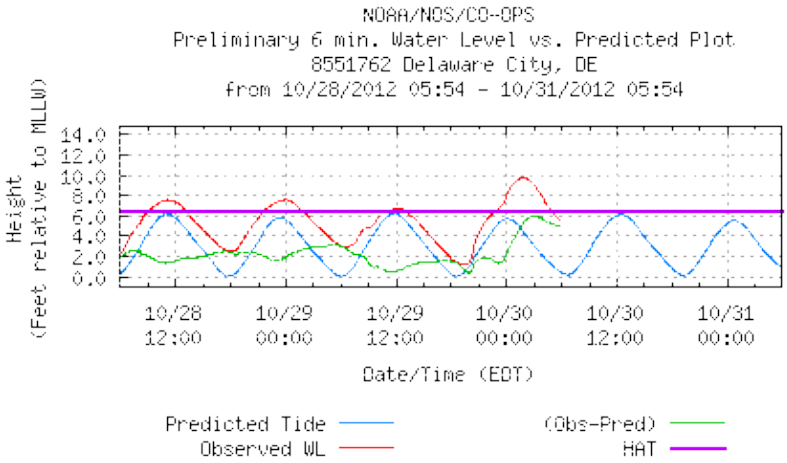
Last Observed Sample: 10/30/2012 05:48 (EDT)
Wind Speed: 25 knots Gusts: 29 knots Direction: 211° T

Philadelphia, PA - Return to List



Last Observed Sample: 10/30/2012 05:42 (EDT)
Relative to MLLW: Observed: 9.31 ft. Predicted: 3.52 ft. Residual: 5.79 ft.
Historical Maximum Water Level: Nov 25 1950, 3.79 ft. above MHHW

Delaware City, DE - Return to List

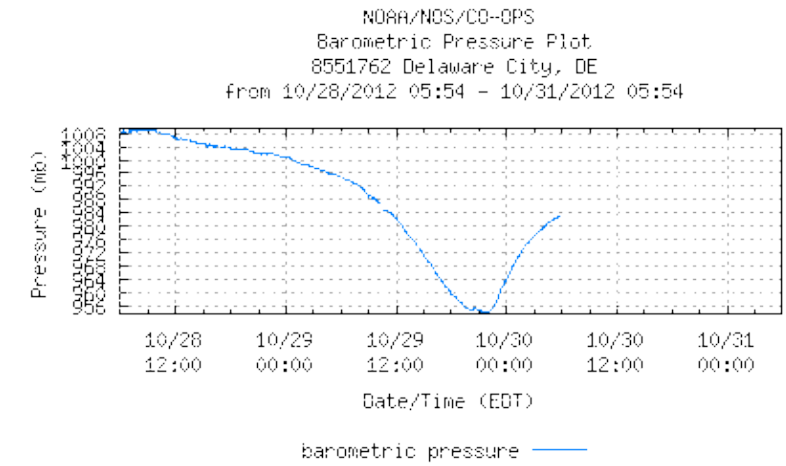


Last Observed Sample: 10/30/2012 05:48 (EDT)

Relative to MLLW: Observed: 5.54 ft. Predicted: 0.51 ft. Residual: 5.03 ft.

Historical Maximum Water Level: Apr 17 2011, 3.38 ft. above MHHW

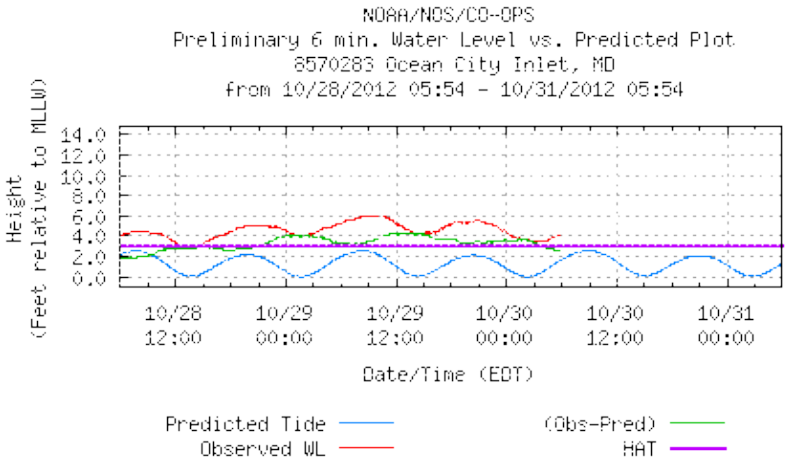
Delaware City, DE - Return to List



Last Observed Sample: 10/30/2012 05:48 (EDT)

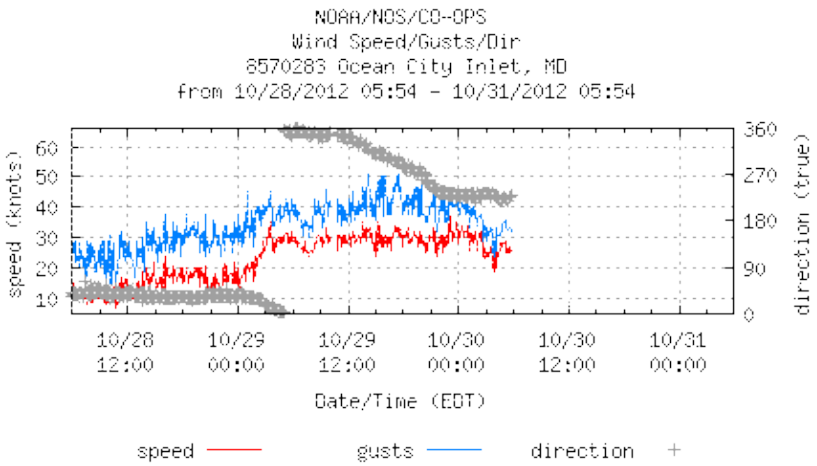
Barometric Pressure: 983.3 mb

Ocean City Inlet, MD - Return to List



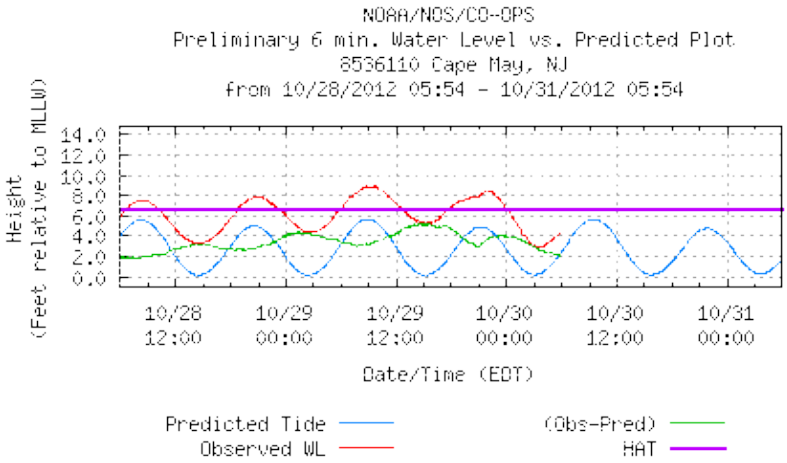
Last Observed Sample: 10/30/2012 05:42 (EDT)
Relative to MLLW: Observed: 4.10 ft. Predicted: 1.56 ft. Residual: 2.54 ft.
Historical Maximum Water Level: Feb 5 1998, 3.61 ft. above MHHW

Ocean City Inlet, MD - Return to List



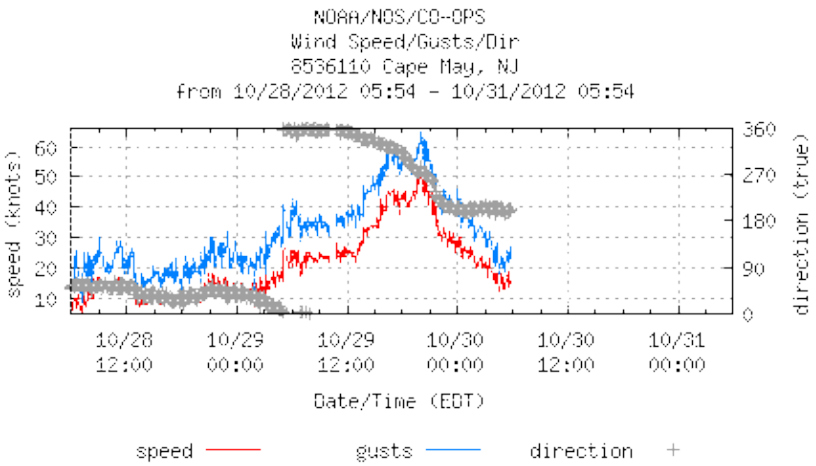
Last Observed Sample: 10/30/2012 05:42 (EDT)
Wind Speed: 26 knots Gusts: 32 knots Direction: 231° T

Cape May, NJ - Return to List



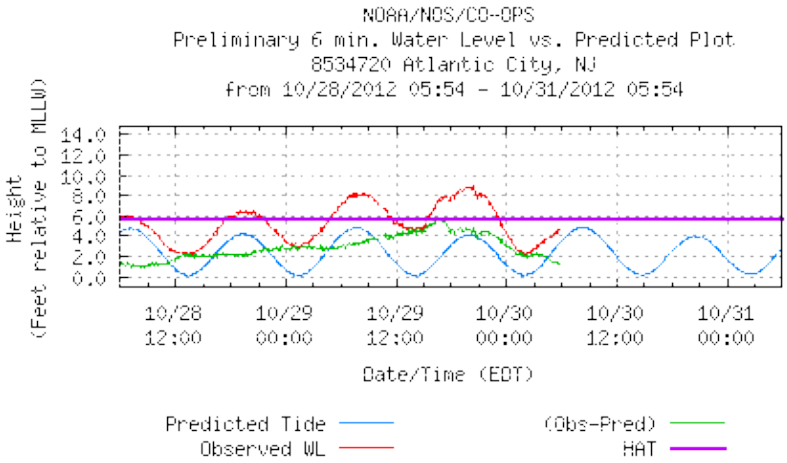
Last Observed Sample: 10/30/2012 05:48 (EDT)
Relative to MLLW: Observed: 4.33 ft. Predicted: 2.25 ft. Residual: 2.08 ft.
Historical Maximum Water Level: Sep 27 1985, 3.36 ft. above MHHW

Cape May, NJ - Return to List



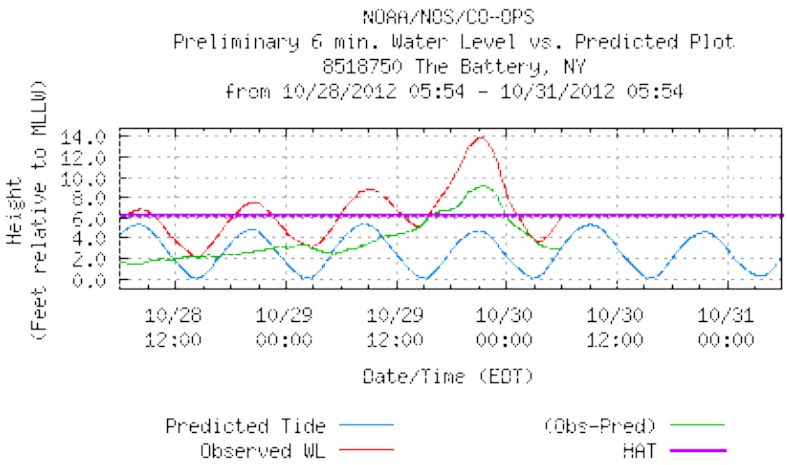
Last Observed Sample: 10/30/2012 05:48 (EDT)
Wind Speed: 16 knots Gusts: 27 knots Direction: 203° T

Atlantic City, NJ - Return to List



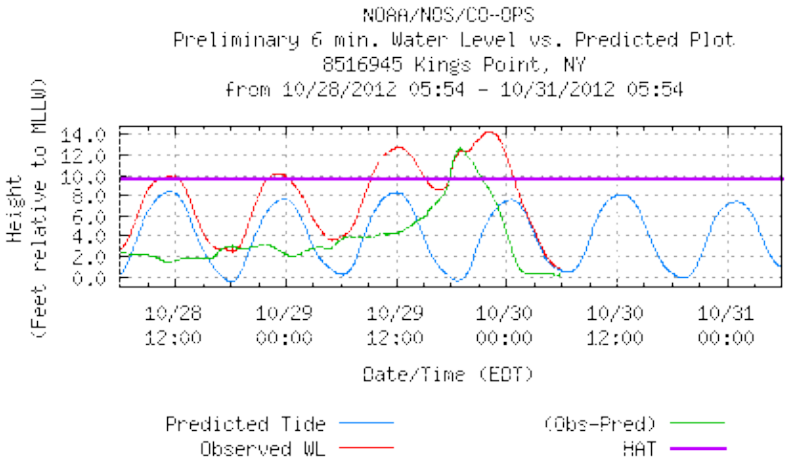
Last Observed Sample: 10/30/2012 05:42 (EDT)
Relative to MLLW: Observed: 4.58 ft. Predicted: 3.29 ft. Residual: 1.29 ft.
Historical Maximum Water Level: Dec 11 1992, 4.38 ft. above MHHW

The Battery, NY - Return to List



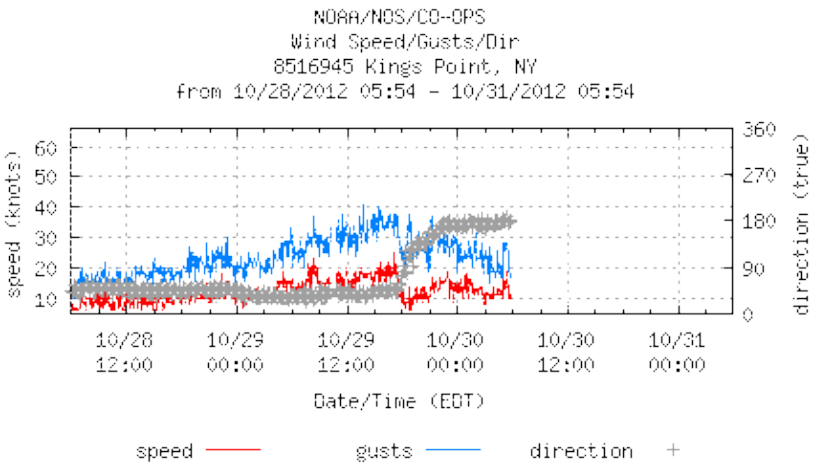
Last Observed Sample: 10/30/2012 05:48 (EDT)
Relative to MLLW: Observed: 5.89 ft. Predicted: 2.87 ft. Residual: 3.02 ft.
Historical Maximum Water Level: Sep 12 1960, 4.96 ft. above MHHW

Kings Point, NY - Return to List



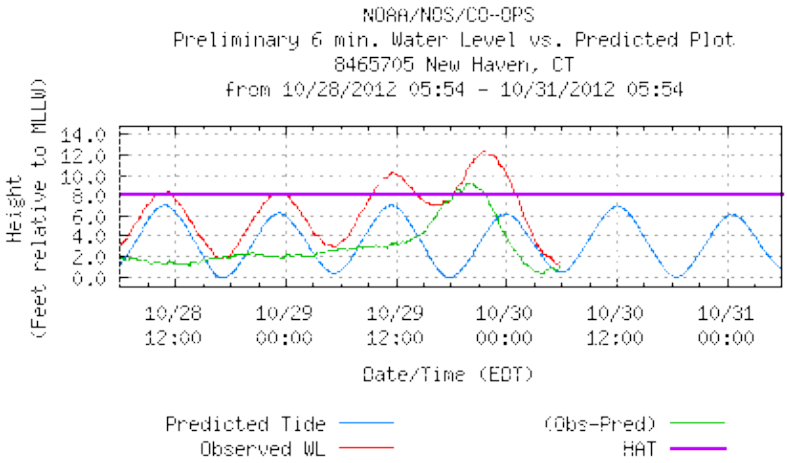
Last Observed Sample: 10/30/2012 05:48 (EDT)
Relative to MLLW: Observed: 0.94 ft. Predicted: 0.67 ft. Residual: 0.27 ft.
Historical Maximum Water Level: Aug 28 2011, 4.51 ft. above MHHW

Kings Point, NY - Return to List



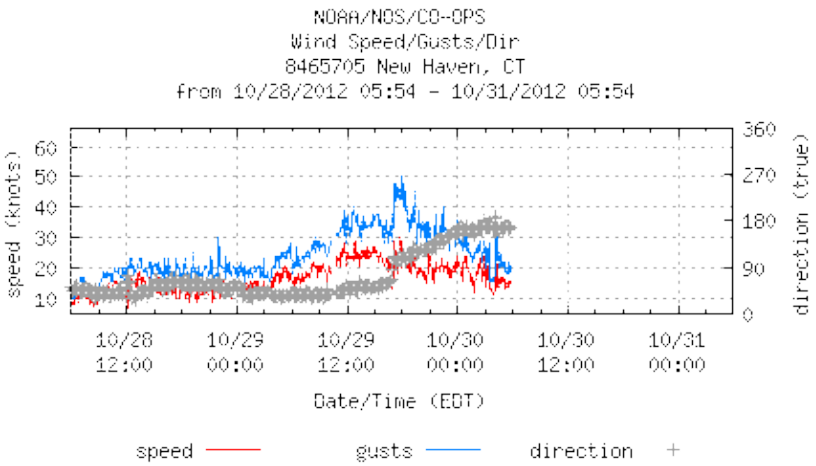
Last Observed Sample: 10/30/2012 05:48 (EDT)
Wind Speed: 10 knots Gusts: 17 knots Direction: 181° T

New Haven, CT - Return to List



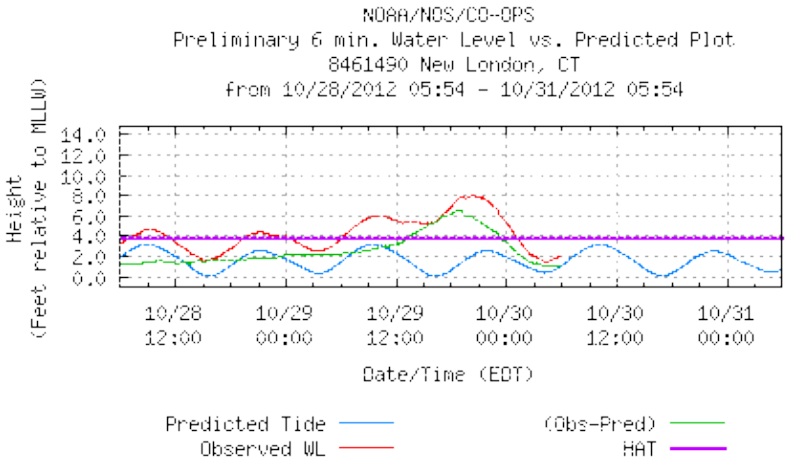
Last Observed Sample: 10/30/2012 05:48 (EDT)
Relative to MLLW: Observed: 1.52 ft. Predicted: 0.47 ft. Residual: 1.05 ft.
Historical Maximum Water Level: Aug 28 2011, 4.82 ft. above MHHW

New Haven, CT - Return to List



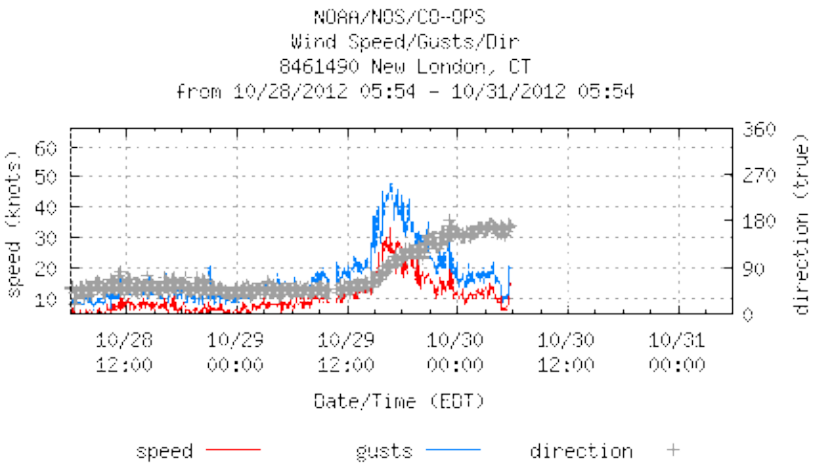
Last Observed Sample: 10/30/2012 05:48 (EDT)
Wind Speed: 16 knots Gusts: 19 knots Direction: 166° T

New London, CT - Return to List



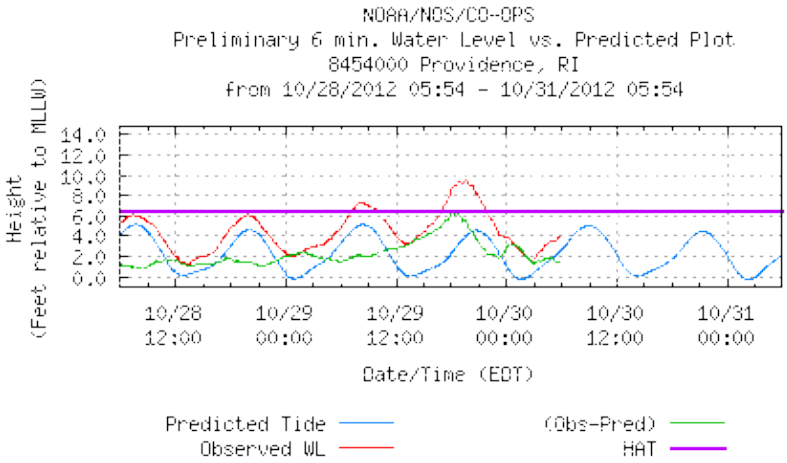
Last Observed Sample: 10/30/2012 05:42 (EDT)
Relative to MLLW: Observed: 2.09 ft. Predicted: 0.92 ft. Residual: 1.17 ft.
Historical Maximum Water Level: Sep 21 1938, 7.53 ft. above MHHW

New London, CT - Return to List



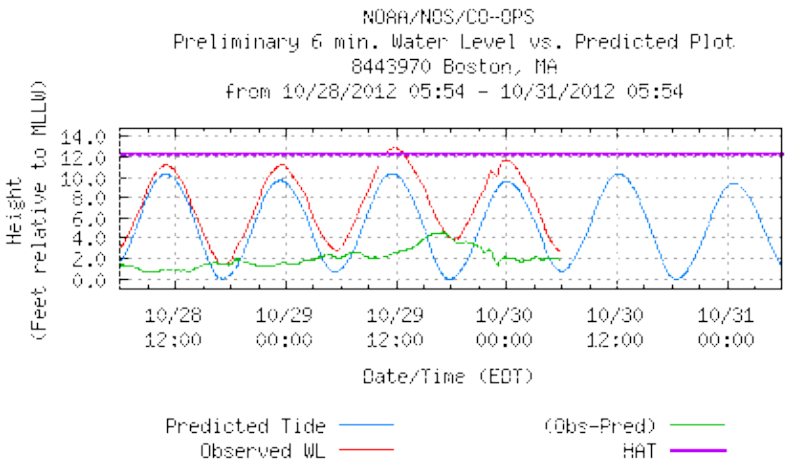
Last Observed Sample: 10/30/2012 05:42 (EDT)
Wind Speed: 15 knots Gusts: 20 knots Direction: 172° T

Providence, RI - Return to List



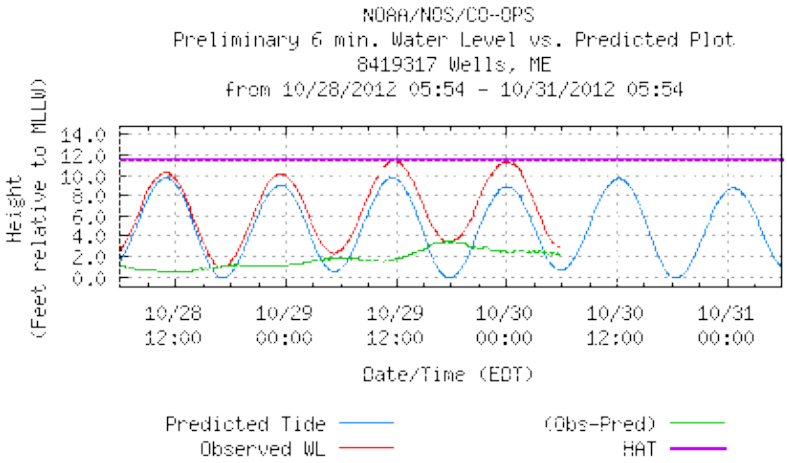
Last Observed Sample: 10/30/2012 05:42 (EDT)
Relative to MLLW: Observed: 3.94 ft. Predicted: 2.41 ft. Residual: 1.53 ft.
Historical Maximum Water Level: Sep 21 1938, 12.67 ft. above MHHW

Boston, MA - Return to List



Last Observed Sample: 10/30/2012 05:42 (EDT)
Relative to MLLW: Observed: 2.74 ft. Predicted: 0.82 ft. Residual: 1.92 ft.
Historical Maximum Water Level: Feb 7 1978, 4.82 ft. above MHHW

Wells, ME - Return to List

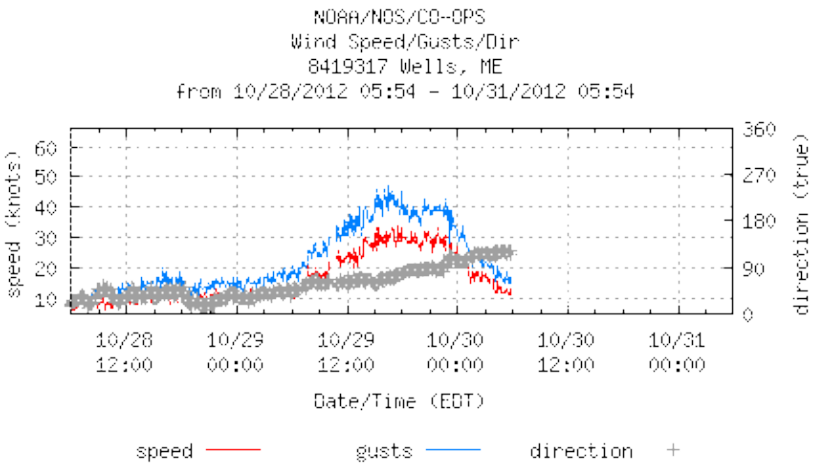


Last Observed Sample: 10/30/2012 05:48 (EDT)

Relative to MLLW: Observed: 2.96 ft. Predicted: 0.67 ft. Residual: 2.29 ft.

Historical Maximum Water Level: Apr 16 2007, 3.59 ft. above MHHW

Wells, ME - Return to List



Last Observed Sample: 10/30/2012 05:48 (EDT)

Wind Speed: 13 knots Gusts: 17 knots Direction: 114° T